

**To:** Eugenia Naranjo/R2/USEPA/US@EPA[]  
**Cc:** "Willard Potter" [otto@demaximis.com]; Robert Law" [rlaw@demaximis.com]; mab.consulting@verizon.net>[]  
**From:** "Geoffrey Seibel"  
**Sent:** Tue 12/18/2012 1:43:45 PM  
**Subject:** Re: NBSA bathy survey -> Tierra's request to consider additional Field Mod  
[Naranjo.Eugenia@epamail.epa.gov](mailto:Naranjo.Eugenia@epamail.epa.gov)  
[Naranjo.Eugenia@epamail.epa.gov](mailto:Naranjo.Eugenia@epamail.epa.gov)  
[Naranjo.Eugenia@epa.gov](mailto:Naranjo.Eugenia@epa.gov)  
[rlaw@demaximis.com](mailto:rlaw@demaximis.com)  
[rlaw@demaximis.com](mailto:rlaw@demaximis.com)  
[gcs@demaximis.com](mailto:gcs@demaximis.com)  
[otto@demaximis.com](mailto:otto@demaximis.com)  
[mab.consulting@verizon.net](mailto:mab.consulting@verizon.net)  
[Naranjo.Eugenia@epamail.epa.gov](mailto:Naranjo.Eugenia@epamail.epa.gov)  
[Naranjo.Eugenia@epa.gov](mailto:Naranjo.Eugenia@epa.gov)  
[mailto:William.Gerken@aecom.com](mailto:mailto:William.Gerken@aecom.com)  
[William.Gerken@AECOM.com](mailto:William.Gerken@AECOM.com)  
[www.aecom.com](http://www.aecom.com)  
[doug.simmons@aecom.com](mailto:doug.simmons@aecom.com)  
[www.aecom.com](http://www.aecom.com)  
[Naranjo.Eugenia@epamail.epa.gov](mailto:Naranjo.Eugenia@epamail.epa.gov)  
<mailto:Naranjo.Eugenia@epamail.epa.gov>  
[Naranjo.Eugenia@epa.gov](mailto:Naranjo.Eugenia@epa.gov)

Hi Eugenia. Nice to meet you as well. Rob and I used to be friends.

Sent from my iPhone

On Dec 18, 2012, at 7:59 AM, "<Naranjo.Eugenia@epamail.epa.gov>"  
<Naranjo.Eugenia@epamail.epa.gov> wrote:  
Nice to meet you Geoff. What have you done to deserve this?  
Happy holidays to you all,  
eugenia

Eugenia Naranjo  
United States Environmental Protection Agency  
290 Broadway  
New York, NY 10007-1866  
212-637-3467  
[Naranjo.Eugenia@epa.gov](mailto:Naranjo.Eugenia@epa.gov)

-----"Robert Law" <rlaw@demaximis.com> wrote: -----  
To: Eugenia Naranjo/R2/USEPA/US@EPA  
From: "Robert Law" <rlaw@demaximis.com>  
Date: 12/18/2012 05:42AM  
Cc: "Geoffrey Seibel" <gcs@demaximis.com>, "Willard Potter" <otto@demaximis.com>, "Mike Barbara" <mab.consulting@verizon.net>  
Subject: Re: FW: NBSA bathy survey -> Tierra's request to consider additional Field Mod

Tierra will hate that....

I need to introduce you to Geoff Seibel - he is going to be assuming the role of NBSA RI/FS coordination

for the CPG. You will like Geoff - he is much easier to get along with than me...

I hope you, Rafa and the other two boys have a great Christmas and a Happy New Year.....

R/  
Rob

>>> <Naranjo.Eugenia@epamail.epa.gov> 12/17/2012 10:53 PM >>>

FYI, I asked Tierra to submit the Field Modification, based on the exchange between AECOM-SEA Engineering.

Eugenia Naranjo  
United States Environmental Protection Agency  
290 Broadway  
New York, NY 10007-1866  
212-637-3467  
Naranjo.Eugenia@epa.gov

-----Forwarded by Eugenia Naranjo/R2/USEPA/US on 12/17/2012 09:51PM -----

From: Gerken, William[mailto:William.Gerken@aecom.com]  
Sent: Monday, December 17, 2012 8:27 AM  
To: Simmons, Doug  
Cc: Jason Magalen  
Subject: RE: NBSA bathy survey -> Tierra's request to consider additional Field Mod  
Importance: High

Hi Doug,

Based on Jason's daily logs, I believe it would be suitable to allow them to go to from 45° to 60° off center (90° up to 120° total width) for down looking multibeam work.

Jason,

If you have additional input or concerns please let me know ASAP.

Thanks.

Bill Gerken, P.E.

Senior Engineer | Project Manager

Coastal Engineering and Dredging

D (206)403-4266 M (206)491-6350

William.Gerken@AECOM.com

AECOM

710 Second Avenue, Suite 1000

Seattle, WA 98104

T (206)624-9349 F (206)623-3793

www.aecom.com

From: Simmons, Doug

Sent: Friday, December 14, 2012 8:26 PM

To: Gerken, William

Subject: FW: NBSA bathy survey -> Tierra's request to consider additional Field Mod

Bill:

Please let me know what you think.

Does this also identify a potential time for your site visit?

Doug

Doug Simmons

AECOM Environment

D 978.905.2401

C 978.273.4649

doug.simmons@aecom.com

AECOM

250 Apollo Drive

Chelmsford, MA 01824

T 978.905.2100

F 978.905.2101

www.aecom.com

From: Naranjo.Eugenia@epamail.epa.gov[mailto:Naranjo.Eugenia@epamail.epa.gov]  
Sent: Friday, December 14, 2012 3:33 PM  
To: Simmons, Doug  
Cc: Willard Potter  
Subject: NBSA bathy survey -> Tierra's request to consider additional Field Mod

Rob,

Please note that although we have directed Tierra/OSI to limit the beam angle to 45 degrees, their performance/patch tests have shown their system performance better than the USACE specs and Tierra would like to propose the Field Mod below. I understand Bill Gerken and Jason Magalen have exchanged information regarding the test results. Can you check with AECOM/GBA on the proposed Field Mod below and provide some feedback soon - like today or Monday?

Thanks,

e

#### Beam Angle

During setup last week we discussed that the beam angle limitation of 90 degrees was probably unnecessary since it was not likely the cause of the uncertainty in the 2008 survey data obtained by GBA. If you concur, we would like EPA to consider allowing OSI to open up the beam angle to 120 degrees so we can improve our production rate. Of course, all standard calibrations, checks, etc., would need to be satisfied. If you are still willing to consider this, please let us know so we can prepare a Field Modification for this change. It might help if you suggest any language or considerations that you feel are important to facilitate such a change in the protocol.

Eugenia Naranjo  
United States Environmental Protection Agency  
290 Broadway  
New York, NY 10007-1866  
212-637-3467  
Naranjo.Eugenia@epa.gov